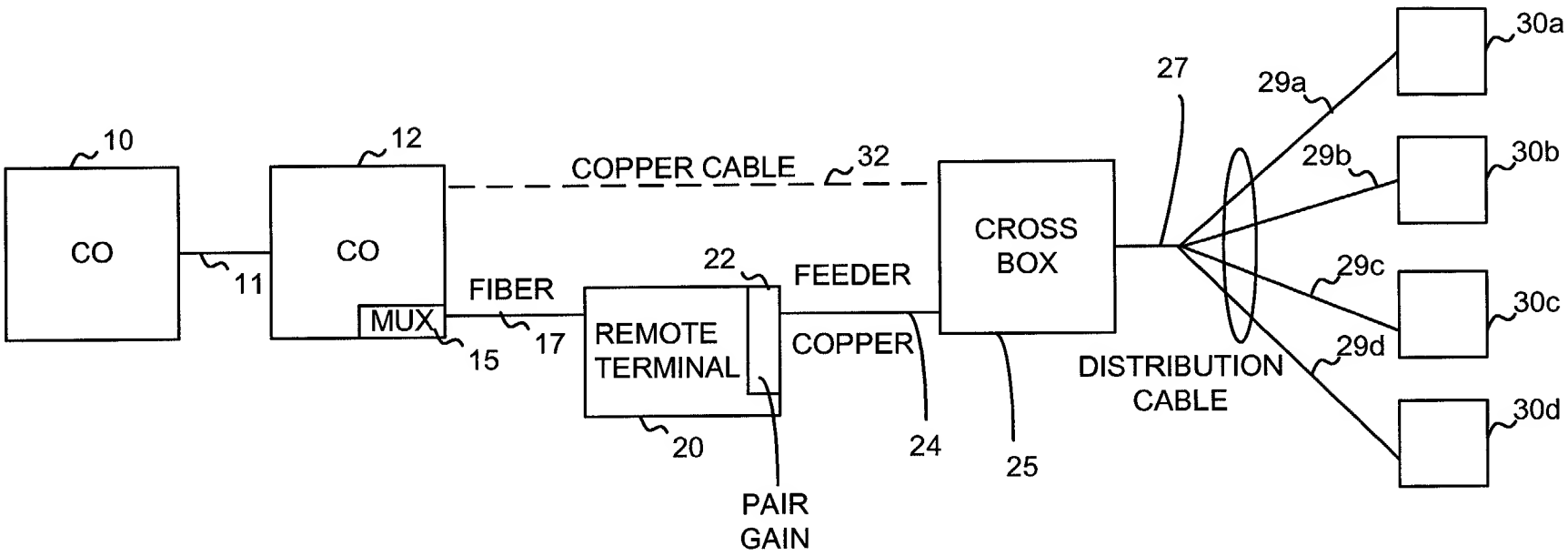

FIGURE 1

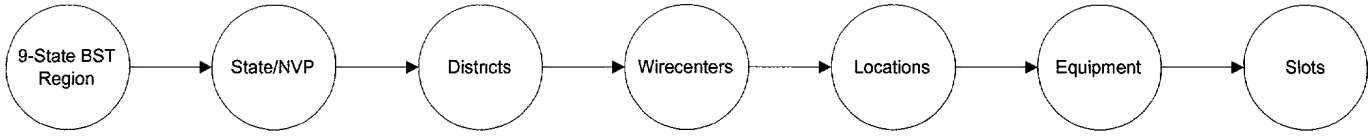

Figure 2

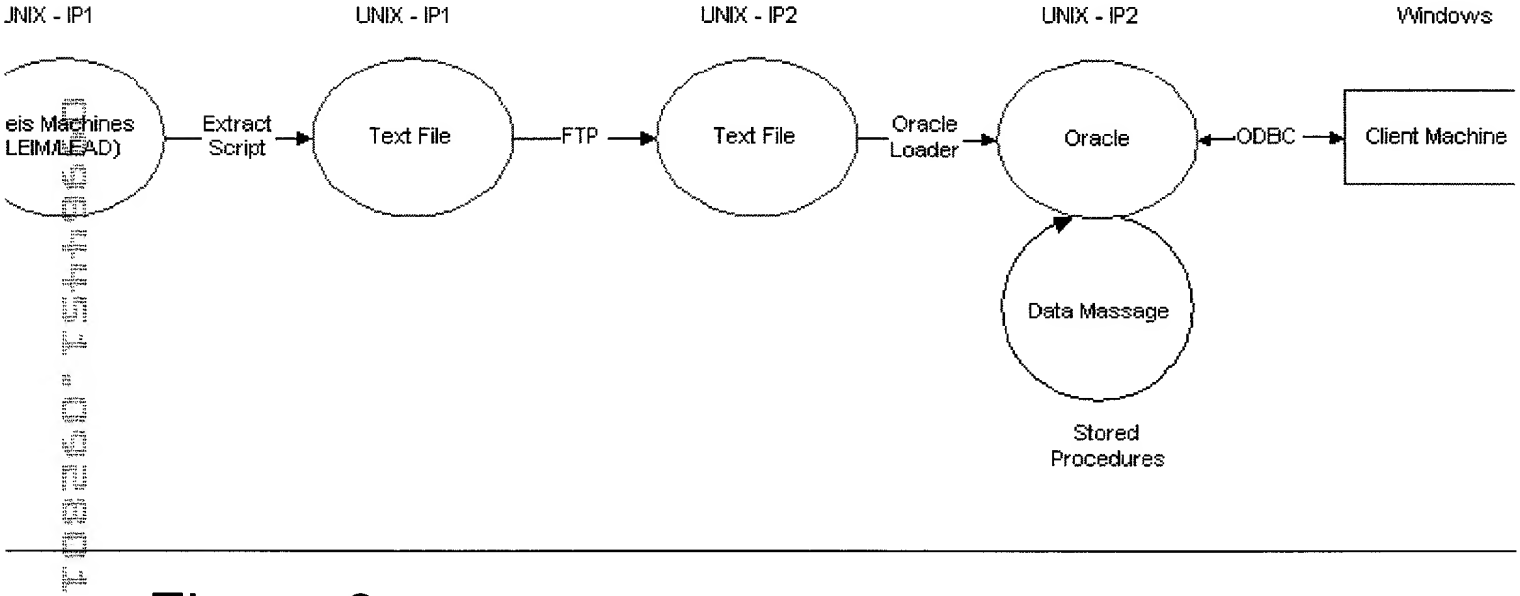

Figure 3

CONNECTION

LEIS Fieldname	LEIS Type	LEIS Length	Description
Cable	C	10	Copper or fiber cable name (or other identifier)
Pair	Integer	4	Copper or fiber pair name
Purpose	C	5	
Type	C	1	Type of pair – either copper or fiber
Fromequip	C	20	Equipment id of the "from" equipment
Fromshelf	C	4	Character id to identify a shelf
Fromslotlo	Integer	4	Slot ID that the low pair is connected to for the "from" equipment
Fromslothi	Integer	4	Slot ID that the high pair is connected to for the "from" equipment
Toequip	C	20	Equipment ID of the "to" equipment
Toshelf	C	4	Character id to identify a shelf
Toslotlo	Integer	4	Slot ID that the low pair is connected to for the "to" equipment
Toslothi	Integer	4	Slot ID that the high pair is connected to for the "to" equipment
Length	Integer	4	Cable length in feet
Designloss	Float	4	Design loss in dB
Bandwidth	Integer	4	Bandwidth for fiber in MHz
Pule	Integer	4	Pulse dispersion in ps (picoseconds)
Wavelen	Integer	4	Wave length
Measloss	Float	4	The actual measured loss in dB for the transmission facility
Resistance	Integer	4	Resistance in Ohms
Nom1	C	20	Sheath code
Nom2	C	20	Fiber transmission code
Connid	Integer	4	Program created attribute that uniquely identifies a connection
Wctrclli	N/a	10	An appended field identifying the wirecenter for each record

Figure 4

EQUIPMENT

LEIS Fieldname	LEIS Type	LEIS Length	Description
Equipid	C	20	Equipment identification; must be unique for a wirecenter
Locid	C	20	An OSP location id
Category	C	5	
Bay	C	10	A relay identification where building, floor, and aisle are identified
Bayunit	Integer	4	A subdivision of a bay
Productid	C	14	An ID that includes vendor and model information
Generic	C	5	Software generic associated with piece of equipment
Account	C	4	Accounting Code
Voltage	C	5	Operating voltage required
Lobitrate	Float	4	A low bit rate value
Hibitrate	Float	4	A high bit rate value
Teo	C	10	Telephone equipment order number associated with a piece of equipment
Status	C	1	See Note 2
Instl_date	Date	0	Actual or estimated completion date for electronic equipment placement
Mode	C	4	Operating mode or equipment configuration
Remarks	C	50	Remarks about this equipment.
Filter	C	6	A fault locate filter code; SCID for SONET devices
Clei	C	10	COMMON LANGUAGE™ Equipment Identification for equipment
Ewo	C	10	Engineering Work Order. A project number, pending routine, or estimate authorization number
Equip_rte	C	9	Equipment feeder route designation
Eq_settings	C	50	A setting for a network interface
Wctrclli	N/a	10	An appended field identifying the wirecenter for each record

Figure 5

I_SYSCONN

LEIS Fieldname	LEIS Type	LEIS Length	Description
Connid	Integer	4	Program created attribute that uniquely identifies a connection
Sysid	C	20	FACS system type + '#' + FACS system number; used to uniquely identify each system
Wctrclli	N/a	10	An appended field identifying the wirecenter for each record

Figure 6

LOCATION

LEIS Fieldname	LEIS Type	LEIS Length	Description
Locid	C	20	An OSP location id that must be unique for the wirecenter
Clli	C	11	COMMON LANGUAGE™ Location Identification (CLLI™) code
Address	C	50	A street address for the location; SAG Valid; RLA Address in FACS
Enclosure	C	20	Building, hut, minihut, maxihut, cev, community service cabinet - vendor and module could be included
Csa	C	8	Carrier serving area or feeder section number
Plat	C	8	Outside Plant Layout Record reference
Geocode	C	8	Area number or geographic location code
Taxcode	C	6	Tax code of location
Telnumber	C	10	Telephone number assigned to a given location
Power	Float	4	Powering required at a location (kilowatts)
Powerout	C	5	Type of external power outlet at a location for providing backup power (amps)
Remarks	C	50	Remarks about a location; location alarm wiring figure (AWF)
Ship_address	C	30	Address of garage, warehouse, etc. to which ordered plugs should be shipped
Ship_city_st	C	20	City, state and zip of address to which ordered plugs should be shipped
Loc_rte	C	9	The route served by a piece of equipment (or 'co' if localized to the central office)
Status	C	1	Status of the structure / enclosure
Struc_date	Date	0	Placement of structure / closure
Inven_date	Date	0	Date plugs were last inventoried
da	C	8	Distribution area number; RLA taper code
Wctrclli	N/a	10	An appended field identifying the wirecenter for each record

Figure 7

LOOP

LEIS Fieldname	LEIS Type	LEIS Length	Description
Loopid	C	8	Automated ID for each Loop
Loop	C	60	LFACS CircuitID associated with the cable and pair
Term	C	50	The facility terminal name
Status	C	3	Cable and pair status
Fn_ca	C	10	Copper or fiber cable name (or other identifier)
Fn_pr	C	8	Copper or fiber pair name
Wctrclli	N/a	10	An appended field identifying the wirecenter for each record

Figure 8

PAIR

LEIS Fieldname	LEIS Type	LEIS Length	Description
Ca	C	50	Copper or fiber cable name (or other identifier)
Pr	Integer	8	Copper or fiber pair name
Loopid	C	8	Corresponding Loopid for every cable and pair
Pe	C	3	Status of the pair
Wctrclli	N/a	10	An appended field identifying the wirecenter for each record

Figure 9

SLOT

LEIS Fieldname	LEIS Type	LEIS Length	Description
Equipid	C	20	Equipment identification; must be unique for a wirecenter
Shelf	C	4	Character id to identify a shelf
Slot	Integer	4	A number denoting the slot in which plugs are placed; add '900' at the common slot numbers to make them unique
Card	C	10	A generic plug-in identification from the vendor
Function	C	5	Line terminal status or common plug-in function
Ewo	C	10	A project number or pending EWO number
Status	C	1	
Clei	C	10	COMMON LANGUAGE™ Equipment Identification for plug-ins
Settings	C	20	Transmission settings associated with a plug-in; required for the equip.set report for the DDM2000 and FLM-150
Resistance	Integer	4	Resistance for the plug-in, in ohms
Rate	Float	8	A value that stores the low bit rate associated with a plug-in
Max_lines	Integer	4	A line capacity associated with a plug-in
Frame_format	C	10	A value that represents framing formats associated with a plug-in (i.e. sf or esf)
Line_code	C	10	A value that represents line codes associated with a plug-in (i.e. ami or b8zs)
Error_rate	C	10	A value that represents the bi-polar error rate threshold associated with a plug-in
Super_slot	C	4	A slot that contains fictitious subslots
Wctrclli	N/a	10	An appended field identifying the wirecenter for each record

Figure 10

SUPPORT_PAIR

LEIS Fieldname	LEIS Type	LEIS Length	Description
Equipid	Integer	20	Equipment identification; must be unique for a wirecenter
Purpose	C	5	
Cable	C	10	Copper or fiber cable name (or other identifier)
Pair	Integer	8	Copper or fiber pair name
Ow_settings	C	19	
Ow_telnumber	C	10	
Pa_id	C	6	
Wctrclli	N/a	10	An appended field identifying the wirecenter for each record

Figure 11

SYSTEM

LEIS Fieldname	LEIS Type	LEIS Length	Description
Sysid	C	20	FACS system type + '#' + FACS system number; used to uniquely identify each system
Origequip	C	20	Originating piece of equipment for a system
Termequip	C	20	Terminating piece of equipment for a system
Majalarm	C	60	Major alarms associated with a particular system
Minalarm	C	60	Minor alarms associated with a particular system
Clocking	C	60	System clocking - internal or external
Protection	C	60	System protection for the digital lines
Siglead	C	1	Signaling leads terminated - yes or no
Remarks	C	50	Often used to denote the LMOS system type for a particular system
Servdate	Date	0	Turn up date of a system
Integrated	C	1	Yes or no depending if the terminating piece of equipment is a remote terminal
Tirks_act	C	1	"n' = no TIRKS action; 'd' = design special circuits; 'a' = assigned by TIRKS system
Isdn	C	15	'ba' = basic access; 'pr' = primary rate; 'bb' = broadband; use if applicable
Length	Integer	4	Internally generated value calculating the total length of the spans between the originating and terminating equipment
Statebit	Integer	2	
Lastmodby	C	12	Internally generated value showing the CUID of the last person to modify the system
Critalarms	C	60	Critical alarms associated with a particular system
Mode	C	10	Mode of system
Wctrclli	N/a	10	An appended field identifying the wirecenter for each record

Figure 12

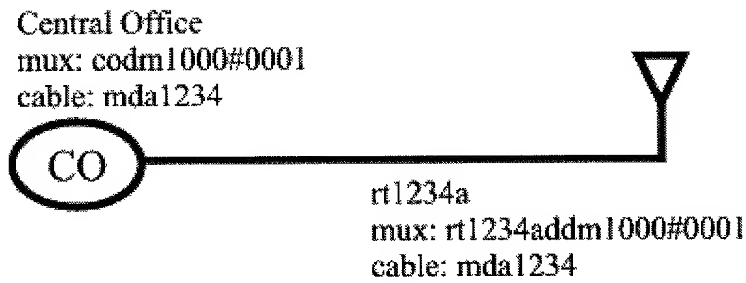

Figure 13

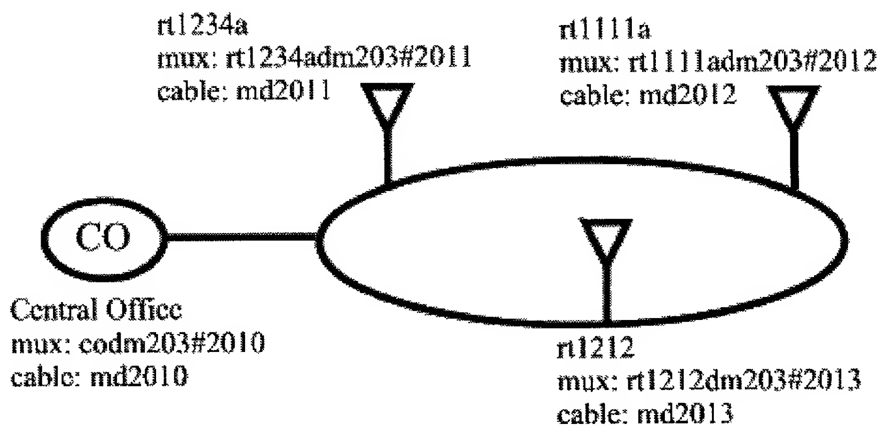

Figure 14

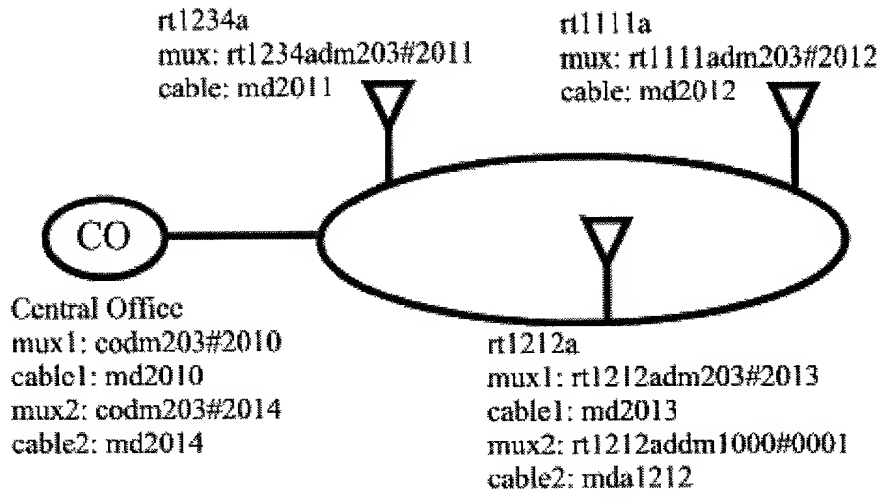

Figure 15

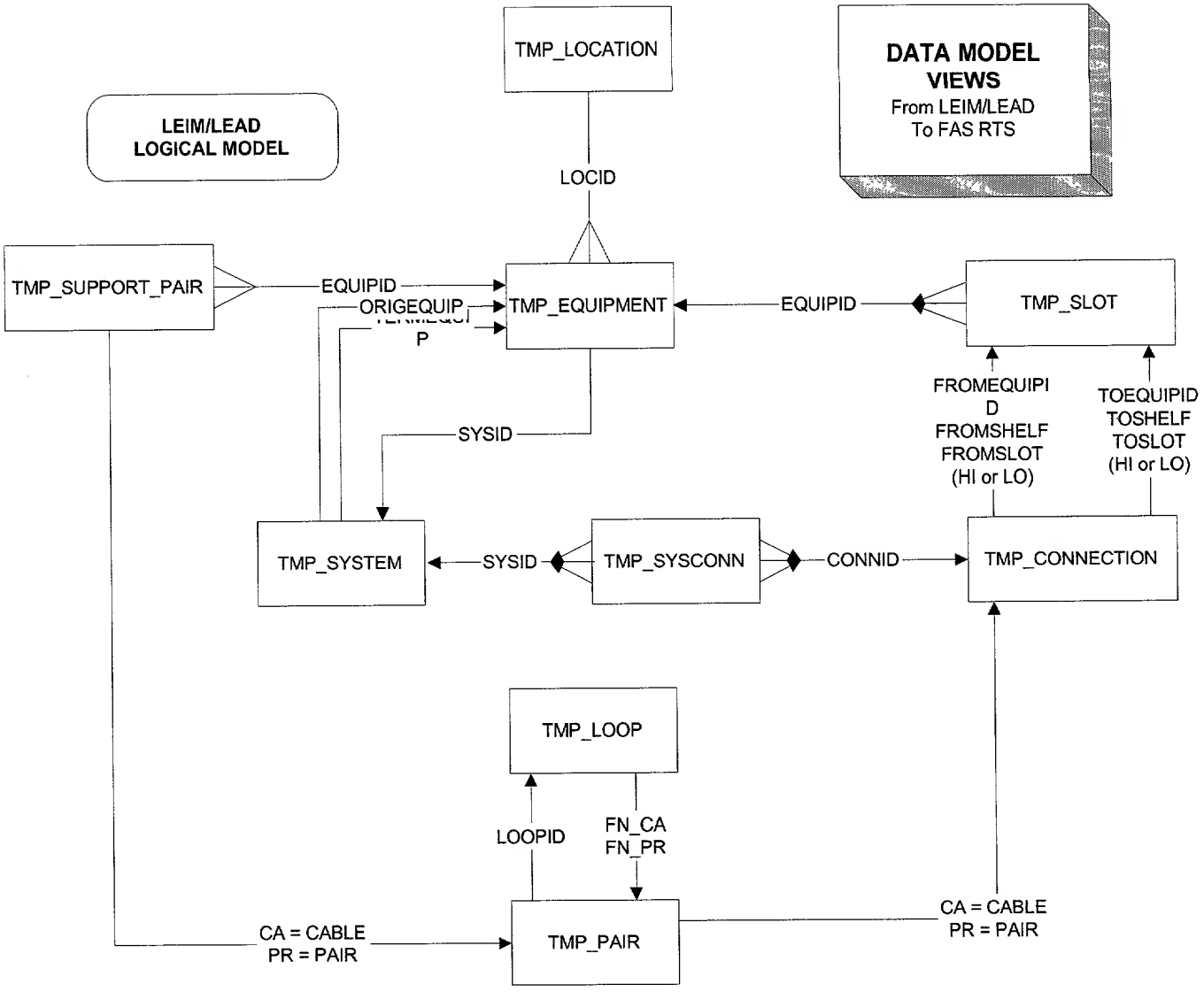
TMP_LOCATION
DATA MODEL VIEWS
From LEIM/LEAD
To FAS RTS
LEIM/LEAD LOGICAL MODEL
LOCID
TMP_SUPPORT_PAIR
EQUIPID
ORIGEQUIP
P
TMP_EQUIPMENT
EQUIPID
TMP_SLOT
FROMEQUIPI D FROMSHELF FROMSLOT (HI or LO)
TOEQUIPID TOSHELF TOSLOT (HI or LO)
SYSID
TMP_SYSTEM
SYSID
TMP_SYSCONN
CONNID
TMP_CONNECTION
TMP_LOOP
LOOPID
FN_CA
FN_PR
CA = CABLE
PR = PAIR
TMP_PAIR
CA = CABLE
PR = PAIR

Figure 16

Equipment File to TMP_EQUIPMENT

Data Item	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
EQUIPID		VARCHAR (20)	Y	Y
LOCID		VARCHAR (20)		
CATEGORY		VARCHAR (5)		
BAY		VARCHAR (10)		
BAYUNIT		NUM (4)		
PRODUCTID		VARCHAR (14)		
GENERIC		VARCHAR (5)		
ACCOUNT		VARCHAR (4)		
VOLTAGE		VARCHAR (5)		
LOBITRATE		NUM (10,5)		
HIBITRATE		NUM (10,5)		
TEO		VARCHAR (10)		
STATUS		VARCHAR (1)		
INSTL_DATE		DATE		
MODE		VARCHAR (4)		
REMARKS		VARCHAR (50)		
FILTER		VARCHAR (6)		
CLEI		VARCHAR (10)		
EWO		VARCHAR (10)		
EQUIP_RTE		VARCHAR (9)		
EQ_SETTINGS		VARCHAR (50)		

Figure 17

Location File to TMP_LOCATION

Data Item	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR(8)	Y	Y
LOCID		VARCHAR (20)	Y	Y
CLLI		VARCHAR (11)		
ADDRESS		VARCHAR(50)		
ENCLOSURE		VARCHAR(20)		
CSA		VARCHAR(8)		
PLAT		VARCHAR(8)		
GEOCODE		VARCHAR(8)		
TAXCODE		VARCHAR(6)		
TELNUMBER		VARCHAR(10)		
POWER		NUM(10,5)		
POWEROUT		VARCHAR(5)		
REMARKS		VARCHAR(50)		
SHIP_ADDRESS		VARCHAR(30)		
SHIP_CITY_ST		VARCHAR(20)		
LOC_RTE		VARCHAR(9)		
STATUS		VARCHAR(1)		
STRUC_DATE		DATE		
INVEN_DATE		DATE		
DA		VARCHAR(8)		

Figure 18

Slot File to TMP_SLOT

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)		Y
EQUIPID		VARCHAR (20)		Y
SHELF		VARCHAR (4)		
SLOT		NUM(4)		Y
CARD		VARCHAR (10)		
FUNCTION		VARCHAR (5)		
EWO		VARCHAR (10)		
STATUS		VARCHAR(1)		
CLEI		VARCHAR (10)		
SETTINGS		VARCHAR (20)		
RESISTANCE		NUM(4)		
RATE		NUM(10,5)		
MAX_LINES		NUM(4)		
FRAME_FORMAT		VARCHAR (10)		
LINE_CODE		VARCHAR (10)		
ERROR_RATE		VARCHAR (10)		
SUPER_SLOT		VARCHAR (4)		

Index: WC_CLLI, EQUIPID, SHELF, SLOT – SHELF may be null

Figure 19

System File to TMP_SYSTEM

Column	Description	Type	P	*M*
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
SYSID		VARCHAR (20)	Y	Y
ORIGEQUIP		VARCHAR (20)		
TERMEQUIP		VARCHAR (20)		
MAJALARM		VARCHAR (60)		
MINALARM		VARCHAR (60)		
CLOCKING		VARCHAR (60)		
PROTECTION		VARCHAR (60)		
SIGLEAD		VARCHAR(1)		
REMARKS		VARCHAR (50)		
SERVDATE		DATE		
INTEGRATED		VARCHAR(1)		
TIRKS_ACT		VARCHAR(1)		
ISDN		VARCHAR (15)		
LENGTH		NUM(4)		
STATEBIT		NUM(2)		
LASTMODBY		VARCHAR (12)		
CRITALARMS		VARCHAR (60)		
MOD		VARCHAR (10)		

Figure 20

Connection File to TMP_CONNECTION

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
CONNID		NUM(4)	Y	Y
CABLE		VARCHAR (10)		
PAIR		NUM(4)		
PURPOSE		VARCHAR (5)		
TYPE		CHAR(1)		
FROMEQUIP		VARCHAR (20)		
FROMSHELF		VARCHAR (4)		
FROMSLOTLO		NUM(4)		
FROMSLOTHI		NUM(4)		
TOEQUIP		VARCHAR (20)		
TOSHELF		VARCHAR (4)		
TOSLOTLO		NUM(4)		
TOSLOTHI		NUM(4)		
LENGTH		NUM(4)		
DESIGNLOSS		NUM(10,5)		
BANDWIDTH		NUM(4)		
PULSE		NUM(4)		
WAVELEN		NUM(4)		
MEASLOSS		NUM(10,5)		
RESISTANCE		NUM(4)		
NOM1		VARCHAR (20)		
NOM2		VARCHAR (20)		

Indexes: WC_CLLI, CABLE, PAIR Non-Unique and WC_CLLI, CONN_ID Non-Unique

Figure 21

Sysconn File to TMP_SYSCONN

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)		Y
CONNID		NUM(4)		Y
SYSID		VARCHAR (20)		Y

Index: WC_CLLI, CONNID Non-Unique

Figure 22

Support_Pair File to TMP_SUPPORT_PAIR

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
EQUIPID		VARCHAR (20)	Y	Y
PURPOSE		VARCHAR (5)		
CABLE		VARCHAR (10)	Y	Y
PAIR		NUM(8)	Y	Y
OW_SETTINGS		VARCHAR (19)		
OW_TELNUMBER		VARCHAR (10)		
PA_ID		VARCHAR (6)		

Figure 23

Loop File to TMP_LOOP

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
LOOPID		VARCHAR (8)	Y	Y
LOOP		VARCHAR (60)		
TERM		VARCHAR (50)		
STATUS		VARCHAR (3)		
FN_CA		VARCHAR (10)		
FN_PR		NUM(8)		

Figure 24

Pair File to TMP_PAIR

Column	Description	Type	P	M
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
CA		VARCHAR (50)	Y	Y
PR		NUM(8)	Y	Y
LOOPID		VARCHAR (8)		
PE		VARCHAR (3)		

Figure 25

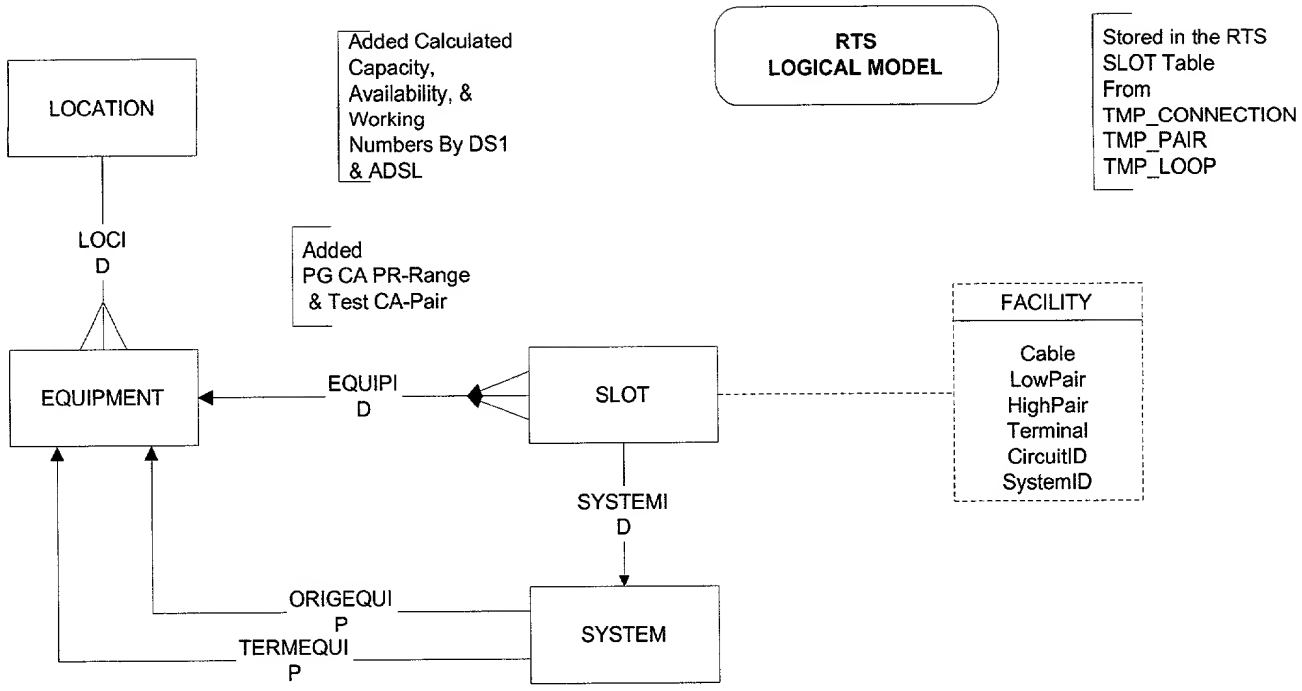
RTS
LOGICAL MODEL
Added Calculated Capacity, Availability, & Working Numbers By DS1 & ADSL
Stored in the RTS SLOT Table From TMP_CONNECTION TMP_PAIR TMP_LOOP
LOCATION
LOCID
Added PG CA PR-Range & Test CA-Pair
FACILITY
Cable
LowPair
HighPair
Terminal
CircuitID
SystemID
EQUIPMENT
EQUIPID
SLOT
SYSTEMID
ORIGEQUIP
TERMEQUIP
SYSTEM

Figure 26

Name	:	LOCATION
Source	:	LEIM Location Table File
Description	:	Location Site for Loop Electronic Equipment

Column	Description	Type	P	*M*
LOCATION_ID	Oracle sequence ID	NUM(8)	Y	Y
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR(8)		Y
LOCID	LEIM Location ID	VARCHAR (20)		Y
CLLI		VARCHAR (11)		
ADDRESS		VARCHAR(50)		
ENCLOSURE		VARCHAR(20)		
CSA		VARCHAR(8)		
PLAT		VARCHAR(8)		
GEOCODE		VARCHAR(8)		
TAXCODE		VARCHAR(3)		
TELNUMBER		VARCHAR(10)		
POWER		NUM(10,5)		
POWEROUT		VARCHAR(5)		
REMARKS		VARCHAR(50)		
SHIP_ADDRESS		VARCHAR(30)		
SHIP_CITY_ST		VARCHAR(20)		
LOC_RTE		VARCHAR(9)		
STATUS		VARCHAR(1)		
STRUC_DATE		DATE		
INVEN_DATE		DATE		
DA		VARCHAR(8)		
AVAILABLET1S		NUM(8)		
ACTIVET1S		NUM(8)		
MUXCAP		NUM(8)		
ADSLCAP		NUM(8)		
ADSLAVAIL		NUM(8)		
ADSLWKG		NUM(8)		

Reference To	Primary Key	Foreign Key

Index	*Unique*	Seq.	Column
LOCATION_LOCID_IDX	Y	1	WC_CLLI
		2	LOCID

Figure 27

Name	:	EQUIPMENT
Source	:	LEIM Equipment Table File
Description	:	Equipment Information for Loop Electronics

Column	Description	Type	P	*M*
EQUIPMENT_ID	Oracle sequence ID	NUM(8)	Y	Y
LOCATION_ID	Oracle unique ID from LOCATION table	NUM(8)		Y
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR(8)		Y
EQUIPID	LEIM Equipment ID	VARCHAR (20)		Y
LOCID	LEIM Location ID	VARCHAR (20)		Y
CATEGORY		VARCHAR (5)		
BAY		VARCHAR (10)		
BAYUNIT		NUM (8)		
PRODUCTID		VARCHAR (14)		
GENERIC		VARCHAR (5)		
ACCOUNT		VARCHAR (4)		
VOLTAGE		VARCHAR (5)		
LOBITRATE		NUM (10,5)		
HIBITRATE		NUM (10,5)		
TEO		VARCHAR (10)		
STATUS		VARCHAR (1)		
INSTL_DATE		DATE		
MODE		VARCHAR (4)		
REMARKS		VARCHAR (50)		
FILTER		VARCHAR (6)		
CLEI		VARCHAR (10)		
EWO		VARCHAR (10)		
EQUIP_RTE		VARCHAR (9)		
EQ_SETTINGS		VARCHAR (50)		
PGPAIRS		VARCHAR (20)		
TESTPAIRS		VARCHAR (15)		

Reference To	Primary Key	Foreign Key
LOCATION	LOCATION_ID	LOCATION_ID

Index	*Unique*	Seq.	Column
EQUIPMENT_EQUIPID_IDX	Y	1	WC_CLLI
		2	EQUIPID
EQUIPMENT_LOCID_IDX		1	WC_CLLI
		2	LOCID

Figure 28

Name : SLOT

Source : LEIM Slot Table File

Description : Slot Information for Loop Electronic Equipment

Column	Description	Type	P	M
SLOT_ID	Oracle sequence ID	NUM(8)	Y	Y
EQUIPMENT_ID	Oracle unique ID from EQUIPMENT table	NUM(8)		Y
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)		Y
EQUIPID	LEIM Equipment ID	VARCHAR (20)		Y
SHELF		VARCHAR (4)		
SLOT		NUM(8)		Y
CARD		VARCHAR (10)		
FUNCTION		VARCHAR (5)		
EWO		VARCHAR (10)		
STATUS		VARCHAR(1)		
CLEI		VARCHAR (10)		
SETTINGS		VARCHAR (20)		
RESISTANCE		NUM(8)		
RATE		NUM(10,5)		
MAX_LINES		NUM(8)		
FRAME_FORMAT		VARCHAR (10)		
LINE_CODE		VARCHAR (10)		
ERROR_RATE		VARCHAR (10)		
SUPER_SLOT		VARCHAR (4)		
CABLE		VARCHAR (10)		
LOWPAIR		NUM(8)		
HIGHPAIR		NUM(8)		
CIRCUITID		VARCHAR (60)		
TERMINAL		VARCHAR (50)		
T1STATUS	T1 status flag. DEFAULT to 0.	NUM(1) Default 0		Y
SYSTEMID		VARCHAR (20)		

Reference To	Primary Key	Foreign Key
EQUIPMENT	EQUIPMENT_ID	EQUIPMENT_ID

Index	*Unique*	Seq.	Column
SLOT_ID_IDX	Y	1	WC_CLLI
		2	EQUIPID
		3	SHELF
		4	SLOT

Figure 29

Name	:	SYSTEM
Source	:	LEIM System Table File
Description	:	System Information for Loop Electronic Equipment

Column	**Description**	**Type**	**P**	***M***
SYSTEM_ID	Oracle sequence ID	NUM(8)	Y	Y
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)		Y
SYSID	LEIM System ID	VARCHAR (20)		Y
ORIG_EQUIPMENT_ID	Oracle unique ID from EQUIPMENT table	NUM(8)		
TERM_EQUIPMENT_ID	Oracle unique ID from EQUIPMENT table	NUM(8)		
ORIGEQUIP	LEIM Equipment ID	VARCHAR (20)		
TERMEQUIP	LEIM Equipment ID	VARCHAR (20)		
MAJALARM		VARCHAR (60)		
MINALARM		VARCHAR (60)		
CLOCKING		VARCHAR (60)		
PROTECTION		VARCHAR (60)		
SIGLEAD		VARCHAR(1)		
REMARKS		VARCHAR (100)		
SERVDATE		DATE		
INTEGRATED		VARCHAR(1)		
TIRKS_ACT		VARCHAR(1)		
ISDN		VARCHAR (15)		
LENGTH		NUM(8)		
STATEBIT		NUM(8)		
LASTMODBY		VARCHAR (12)		
CRITALARMS		VARCHAR (60)		
MOD		VARCHAR (10)		

Reference To	**Primary Key**	**Foreign Key**
EQUIPMENT	EQUIPMENT_ID	ORIG_EQUIPMENT_ID
EQUIPMENT	EQUIPMENT_ID	TERM_EQUIPMENT_ID

Index	*Unique*	**Seq.**	**Column**
SYSTEM_SYSID_IDX	Y	1	WC_CLLI
		2	SYSID
SYSTEM_ORIG_IDX	N	1	WC_CLLI
		2	ORIGEQUIP
SYSTEM_TERM_IDX	N	1	WC_CLLI
		2	TERMEQUIP

Figure 30

Name	:	GRPMAP
Source	:	
Description	:	

Column	**Description**	**Type**	**P**	***M***
WC_CLLI	8 character LEIM WC CLLI code	VARCHAR (8)	Y	Y
STATE	RTS State Code	VARCHAR (10)		Y
DISTRICT	RTS District Code	VARCHAR (10)		Y
SUBDISTRICT		VARCHAR (10)		
LEIS_MACHINE	LEIS Machine Code for wire center	VARCHAR (10)		
NAME		VARCHAR (10)		
ENGLISH_NAME		VARCHAR (10)		

Reference To	**Primary Key**	**Foreign Key**

Index	*Unique*	**Seq.**	**Column**

Figure 31

Table = LOCATION

Column	*Source Table*	**Source Column**	**Rules/Notes**
LOCATION_ID	N/A	N/A	Oracle Sequence generated unique ID
WC_CLLI	TMP_LOCATION	WC_CLLI	
LOCID		LOCID	
CLLI		CLLI	
ADDRESS		ADDRESS	
ENCLOSURE		ENCLOSURE	
CSA		CSA	
PLAT		PLAT	
GEOCODE		GEOCODE	
TAXCODE		TAXCODE	
TELNUMBER		TELNUMBER	
POWER		POWER	
POWEROUT		POWEROUT	
REMARKS		REMARKS	
SHIP_ADDRESS		SHIP_ADDRESS	
SHIP_CITY_ST		SHIP_CITY_ST	
LOC_RTE		LOC_RTE	
STATUS		STATUS	
STRUC_DATE		STRUC_DATE	
INVEN_DATE		INVEN_DATE	
DA		DA	
AVAILABLET1S			
ACTIVET1S			
MUXCAP			
ADSLCAP			
ADSLAVAIL			
ADSLWKG			

Figure 32

Table = **EQUIPMENT**

Column	*Source Table*	**Source Column**	**Rules/Notes**
EQUIPMENT_ID	N/A	N/A	Oracle Sequence generated unique ID
LOCATION_ID	LOCATION	LOCATION_ID	
WC_CLLI	TMP_EQUIPMENT	WC_CLLI	
EQUIPID		EQUIPID	
LOCID		LOCID	
CATEGORY		CATEGORY	
BAY		BAY	
BAYUNIT		BAYUNIT	
PRODUCTID		PRODUCTID	
GENERIC		GENERIC	
ACCOUNT		ACCOUNT	
VOLTAGE		VOLTAGE	
LOBITRATE		LOBITRATE	
HIBITRATE		HIBITRATE	
TEO		TEO	
STATUS		STATUS	
INSTL_DATE		INSTL_DATE	
MODE		MODE	
REMARKS		REMARKS	
FILTER		FILTER	
CLEI		CLEI	
EWO		EWO	
EQUIP_RTE		EQUIP_RTE	
EQ_SETTINGS		EQ_SETTINGS	
PGPAIRS	TMP_CONNECTION		
TESTPAIRS	TMP_SUPPORT_PAIR		

Figure 33

Table = **SLOT**

Column	*Source Table*	**Source Column**	**Rules/Notes**
SLOT_ID	N/A	N/A	Oracle Sequence generated unique ID
EQUIPMENT_ID	EQUIPMENT	EQUIPMENT_ID	
WC_CLLI	TMP_SLOT	WC_CLLI	
EQUIPID		EQUIPID	
SHELF		SHELF	
SLOT		SLOT	
CARD		CARD	
FUNCTION		FUNCTION	
EWO		EWO	
STATUS		STATUS	
CLEI		CLEI	
SETTINGS		SETTINGS	
RESISTANCE		RESISTANCE	
RATE		RATE	
MAX_LINES		MAX_LINES	
FRAME_FORMAT		FRAME_FORMAT	
LINE_CODE		LINE_CODE	
ERROR_RATE		ERROR_RATE	
SUPER_SLOT		SUPER_SLOT	
CABLE	TMP_CONNECTION	CABLE	
LOWPAIR	TMP_CONNECTION	PAIR	
HIGHPAIR	TMP_CONNECTION	PAIR	
CIRCUITID	TMP_LOOP	LOOP	
TERMINAL	TMP_LOOP	TERM	
T1STATUS	n/a	n/a	
SYSTEMID	EQUIPMENT	SYSID	Where EQUIPMENT.equipid = SLOT.equipid (may be null)

Figure 34

- Table = **SYSTEM**

Column	*Source Table*	**Source Column**	**Rules/Notes**
SYSTEM_ID	N/A	N/A	Oracle Sequence generated unique ID
WC_CLLI	TMP_SYSTEM	WC_CLLI	
SYSID	TMP_SYSTEM	SYSID	
ORIG_EQUIPMENT_ID	EQUIPMENT	EQUIPMENT_ID	Where SYSTEM.origequip = EQUIPMENT.equipid
TERM_EQUIPMENT_ID	EQUIPMENT	EQUIPMENT_ID	Where SYSTEM.termequip = EQUIPMENT.equipid
ORIGEQUIP	TMP_SYSTEM	ORIGEQUIP	
TERMEQUIP		TERMEQUIP	
MAJALARM		MAJALARM	
MINALARM		MINALARM	
CLOCKING		CLOCKING	
PROTECTION		PROTECTION	
SIGLEAD		SIGLEAD	
REMARKS		REMARKS	
SERVDATE		SERVDATE	
INTEGRATED		INTEGRATED	
TIRKS_ACT		TIRKS_ACT	
ISDN		ISDN	
LENGTH		LENGTH	
STATEBIT		STATEBIT	
LASTMODBY		LASTMODBY	
CRITALARMS		CRITALARMS	
MODE		MODE	

Figure 35

Table = **GRPMAP**

Column	*Source Table*	**Source Column**	**Rules/Notes**
WC_CLLI			Manually populated
STATE			
DISTRICT			
SUBDISTRICT			
LEIS_MACHINE			
NAME			
ENGLISH_NAME			

Figure 36

Equipment View

Name : V_{*wctrclli*}_EQUIPMENT

Source : EQUIPMENT

Description :

Column	Description	Type	P	*M*
EQUIPID		VARCHAR (20)	Y	Y
LOCID		VARCHAR (20)		
CATEGORY		VARCHAR (5)		
BAY		VARCHAR (10)		
BAYUNIT		NUM (8)		
PRODUCTID		VARCHAR (14)		
GENERIC		VARCHAR (5)		
ACCOUNT		VARCHAR (4)		
VOLTAGE		VARCHAR (5)		
LOBITRATE		NUM (10,5)		
HIBITRATE		NUM (10,5)		
TEO		VARCHAR (10)		
STATUS		VARCHAR (1)		
INSTL_DATE		DATE		
MODE		VARCHAR (4)		
REMARKS		VARCHAR (50)		
FILTER		VARCHAR (6)		
CLEI		VARCHAR (10)		
EWO		VARCHAR (10)		
EQUIP_RTE		VARCHAR (9)		
EQ_SETTINGS		VARCHAR (50)		
PGPAIRS		VARCHAR (20)		
TESTPAIRS		VARCHAR (15)		
WCTRCLLI		VARCHAR (8)		

Figure 37

2. Location View

Name : V_{*wctrclli*}_LOCATION

Source : LOCATION

Description :

Column	Description	Type	P	*M*
LOCID		VARCHAR (20)	Y	Y
CLLI		VARCHAR (11)		
ADDRESS		VARCHAR(50)		
ENCLOSURE		VARCHAR(20)		
CSA		VARCHAR(8)		
PLAT		VARCHAR(8)		
GEOCODE		VARCHAR(8)		
TAXCODE		VARCHAR(6)		
TELNUMBER		VARCHAR(10)		
POWER		NUM(10,5)		
POWEROUT		VARCHAR(5)		
REMARKS		VARCHAR(50)		
SHIP_ADDRESS		VARCHAR(30)		
SHIP_CITY_ST		VARCHAR(20)		
LOC_R TE		VARCHAR(9)		
STATUS		VARCHAR(1)		
STRUC_DATE		DATE		
INVEN_DATE		DATE		
DA		VARCHAR(8)		
AVAILABLET1S		NUM(8)		
ACTIVET1S		NUM(8)		
MUXCAP		NUM(8)		
ADSLCAP		NUM(8)		
ADSLAVAIL		NUM(8)		
ADSLWKG		NUM(8)		
WCTRCLLI		VARCHAR (8)		

Figure 38

3. Slot View

Name : V_{*wctrclli*}_SLOT

Source : SLOT

Description :

Column	Description	Type	P	*M*
EQUIPID		VARCHAR (20)	Y	Y
SHELF		VARCHAR (4)		
SLOT		NUM(8)		
CARD		VARCHAR (10)		
FUNCTION		VARCHAR (5)		
EWO		VARCHAR (10)		
STATUS		VARCHAR(1)		
CLEI		VARCHAR (10)		
SETTINGS		VARCHAR (20)		
RESISTANCE		NUM(8)		
RATE		NUM(10,5)		
MAX_LINES		NUM(8)		
FRAME_FORMAT		VARCHAR (10)		
LINE_CODE		VARCHAR (10)		
ERROR_RATE		VARCHAR (10)		
SUPER_SLOT		VARCHAR (4)		
CABLE		VARCHAR (10)		
LOWPAIR		NUM(8)		
HIGHPAIR		NUM(8)		
CIRCUITID		VARCHAR (60)		
TERMINAL		VARCHAR (50)		
T1STATUS		NUMBER (1) Default 0		
SYSTEMID		VARCHAR (20)		
WCTRCLLI		VARCHAR (8)		

Figure 39

4. System View

Name : V_{*wctrclli*}_SYSTEM

Source : SYSTEM

Description :

Column	Description	Type	P	*M*
SYSID		VARCHAR (20)	Y	Y
ORIGEQUIP		VARCHAR (20)		
TERMEQUIP		VARCHAR (20)		
MAJALARM		VARCHAR (60)		
MINALARM		VARCHAR (60)		
CLOCKING		VARCHAR (60)		
PROTECTION		VARCHAR (60)		
SIGLEAD		VARCHAR(1)		
REMARKS		VARCHAR (100)		
SERVDATE		DATE		
INTEGRATED		VARCHAR(1)		
TIRKS_ACT		VARCHAR(1)		
ISDN		VARCHAR (15)		
LENGTH		NUM(8)		
STATEBIT		NUM(8)		
LASTMODBY		VARCHAR (12)		
CRITALARMS		VARCHAR (60)		
MODE		VARCHAR (10)		
WCTRCLLI		VARCHAR (8)		

Figure 40

5. Districts View

Name	:	V_DISTRICTS
Source	:	GRPMAP
Description	:	

Column	Description	Type	P	M
STATE		VARCHAR (10)	Y	Y
DISTRICT		VARCHAR (10)	Y	Y

Figure 41

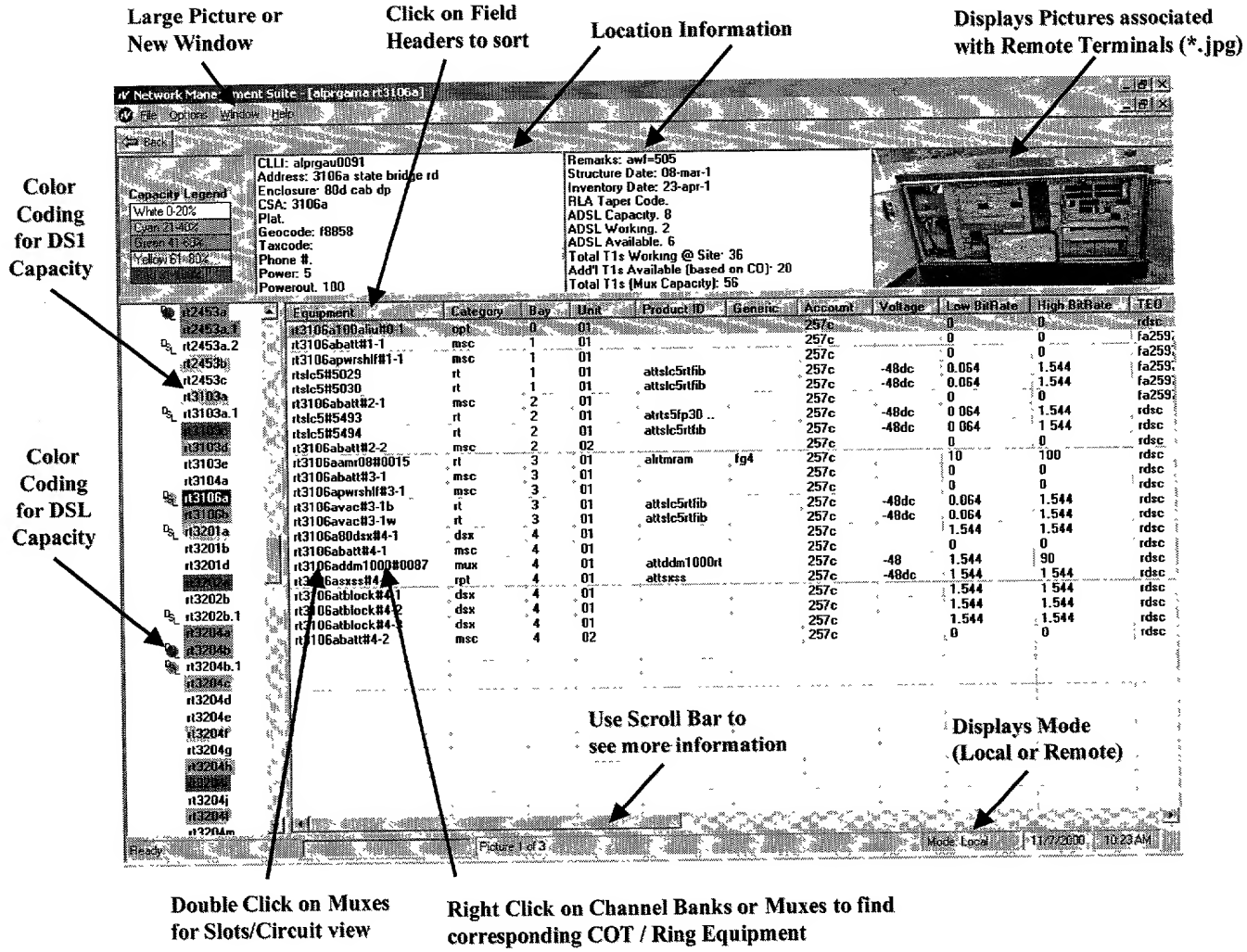
Large Picture or New Window
Click on Field Headers to sort
Location Information
Displays Pictures associated with Remote Terminals (*.jpg)
Color Coding for DS1 Capacity
Color Coding for DSL Capacity
Use Scroll Bar to see more information
Displays Mode (Local or Remote)
Double Click on Muxes for Slots/Circuit view
Right Click on Channel Banks or Muxes to find corresponding COT / Ring Equipment

Figure 42

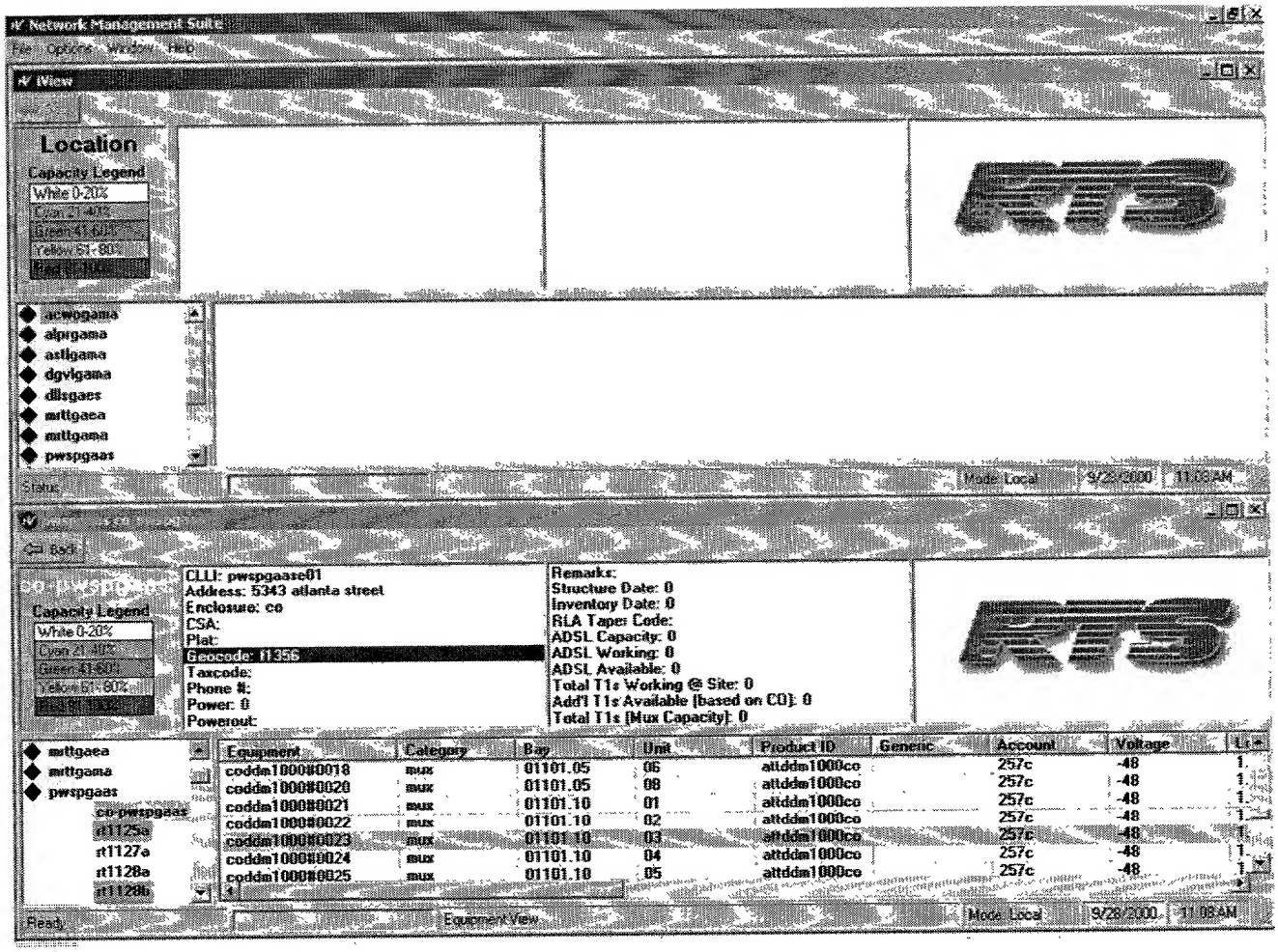
Network Management Suite
File Options Window Help
View
Location
Capacity Legend
White 0-20%
Cyan 21-40%
Green 41-60%
Yellow 61-80%
Red 81-100%
acwpgama
alprgama
astlgama
dgvlgama
dllsgaes
mttgaea
mttgama
pwspgaas
Status
Mode: Local
9/28/2000
11:08 AM
Back
CLLI: pwspgaase01
Address: 5343 atlanta street
Enclosure: co
CSA:
Plat:
Geocode: f1356
Taxcode:
Phone #:
Power: 0
Powerout:
Remarks:
Structure Date: 0
Inventory Date: 0
RLA Tape Code:
ADSL Capacity: 0
ADSL Working: 0
ADSL Available: 0
Total T1s Working @ Site: 0
Add'l T1s Available (based on CO): 0
Total T1s (Mux Capacity): 0
mttgaea
mttgama
pwspgaas
co-pwspgaas
rt1125a
rt1127a
rt1128a
rt1128b
Equipment
Category
Bay
Unit
Product ID
Generic
Account
Voltage
coddm1000#0018 mux 01101.05 06 attddm1000co 257c -48
coddm1000#0020 mux 01101.05 08 attddm1000co 257c -48
coddm1000#0021 mux 01101.10 01 attddm1000co 257c -48
coddm1000#0022 mux 01101.10 02 attddm1000co 257c -48
coddm1000#0023 mux 01101.10 03 attddm1000co 257c -48
coddm1000#0024 mux 01101.10 04 attddm1000co 257c -48
coddm1000#0025 mux 01101.10 05 attddm1000co 257c -48
Ready
Equipment View
Mode: Local
9/28/2000
11:08 AM

Figure 43

Equipment	Category	Bay	Unit	Product ID	Generic	Account	Voltage	Low B
rt6317a.1tblock#1_3	dsx	4	01			257c		0
rt6317a.1tblock#2_4	dsx	4	01			257c		0
rt6317a.1rmu#56	msc	0	01	hadrmurt	3.0	257c		0
rt6317a.1batt#1-1	msc	1	01			257c		0
rt6317a.2pwrshlf#1-1	msc	1	01			257c		0
rt6317a.1batt#2-1	msc	2	01			257c		0
rt6317a.1batt#2-2	msc	2	02			257c		0
rt6317a.1batt#3-1	msc	3	01			257c		0
rt6317a.2pwrshlf#3-1	msc	3	01			257c		0
rt6317a.1batt#4-1	msc	4	01			257c		0
rt6317a.1batt#4-2	msc	4	02			257c		0
rt6317a.1ddm1000ttt0003	mux	4	01	attddm1000tt		257c	-48	1.544
rt6317a.1100alu#0-1	opt	0	01			257c		0
rt6317a.1vacext#4-1	rpt	4	01	attsxss		257c	-48dc	1.544
rtslc5#5030	rt	1	01	attslc5rtfib		257c	-48dc	0.064
rtslc5#5031	rt	1	01	attslc5rtfib		257c	-48dc	0.064
rtslc5#5032	rt	2	01	attslc5rtfib		257c	-48dc	0.064
rtslc5#5033	rt	2	01	attslc5rtfib		257c	-48dc	0.064
rtslc5#5036	rt	3	01	attslc5rtfib		257c	-48dc	0.064
rtslc5#5037	rt	3	01	attslc5rtfib		257c	-48dc	0.064

Figure 44A

Equipment	Category	Bay	Unit	Product ID	Generic	Account	Voltage	Low B
rt6317a.1tblock#1_3	dsx		01			257c		0
rt6317a.1tblock#2_4	dsx		01			257c		0
rt6317a.1rmu#56	msc		01	hadrmurt	3.0	257c		0
rt6317a.1batt#1-1	msc		01			257c		0
rt6317a.2pwrshlf#1-1	msc		01			257c		0
rt6317a.1batt#2-1	msc		01			257c		0
rt6317a.1batt#2-2	msc		02			257c		0
rt6317a.1batt#3-1	msc		01			257c		0
rt6317a.2pwrshlf#3-1	msc		01			257c		0
rt6317a.1batt#4-1	msc		01			257c		0
rt6317a.1batt#4-2	msc		02			257c		0
rt6317a.1ddm1000ttt0003	mux		01	attddm1000tt		257c	-48	1.544
rt6317a.1100alu#0-1	opt		01			257c		0
rt6317a.1vacext#4-1	rpt		01	attsxss		257c	-48dc	1.544
rtslc5#5030	rt		01	attslc5rtfib		257c	-48dc	0.064
rtslc5#5031	rt		01	attslc5rtfib		257c	-48dc	0.064
rtslc5#5032	rt		01	attslc5rtfib		257c	-48dc	0.064
rtslc5#5033	rt		01	attslc5rtfib		257c	-48dc	0.064
rtslc5#5036	rt		01	attslc5rtfib		257c	-48dc	0.064
rtslc5#5037	rt		01	attslc5rtfib		257c	-48dc	0.064

Figure 44B

Equipment	Port	Card	Function	Cable	Low	High	CircuitID	SystemID	Term	EWO
rt6317a1ddm1000#0003	a-1	aek36c	ds1		0	0				t8617
rt6317a1ddm1000#0003	a-2	aek36c	ds1		0	0				t8617
rt6317a1ddm1000#0003	a-3	aek36c	ds1		0	0				t8617
rt6317a1ddm1000#0003	a-4	aek36c	ds1		0	0				t8617
rt6317a1ddm1000#0003	a-5	aek36c	ds1		0	0				t8617
rt6317a1ddm1000#0003	a-6	aek36c	ds1		0	0				t8617
rt6317a1ddm1000#0003	a-7	aek36c	ds1		0	0				t8617
rt6317a1ddm1000#0003	a-8	aek36c	ds1p		0	0				t8617
rt6317a1ddm1000#0003	a-9	aek39	ds1		0	0				t8617
rt6317a1ddm1000#0003	a-11	active	ds1p	mda6317	1	2	ckt dlc.pg10.9030.1	islc5#5030		t8617
rt6317a1ddm1000#0003	a-12	active	ds1p	mda6317	3	4	ckt dlc.pg10.9030.2	islc5#5030		t8617
rt6317a1ddm1000#0003	a-13	active	ds1p	mda6317	5	6	ckt dlc.pg10.9030.3	islc5#5030		t8617
rt6317a1ddm1000#0003	a-14	active	ds1p	mda6317	7	8	ckt dlc.pg10.9030.4	islc5#5030		t8617
rt6317a1ddm1000#0003	a-21	active	ds1p	mda6317	9	10	ckt dlc.pg10.9031.1	islc5#5031		t8617
rt6317a1ddm1000#0003	a-22	active	ds1p	mda6317	11	12	ckt dlc.pg10.9031.2	islc5#5031		t8617
rt6317a1ddm1000#0003	a-23	active	ds1p	mda6317	13	14	ckt dlc.pg10.9031.3	islc5#5031		t8617
rt6317a1ddm1000#0003	a-24	active	ds1p	mda6317	15	16	ckt dlc.pg10.9031.4	islc5#5031		t8617
rt6317a1ddm1000#0003	a-31	active	ds1p	mda6317	17	18	ckt dlc.pg10.9032.1	islc5#5032		t8617
rt6317a1ddm1000#0003	a-32	active	ds1p	mda6317	19	20	ckt dlc.pg10.9032.2	islc5#5032		t8617
rt6317a1ddm1000#0003	a-33	active	ds1p	mda6317	21	22	ckt dlc.pg10.9032.3	islc5#5032		t8617
rt6317a1ddm1000#0003	a-34	active	ds1p	mda6317	23	24	ckt dlc.pg10.9032.4	islc5#5032		t8617
rt6317a1ddm1000#0003	a-41	active	ds1p	mda6317	25	26	ckt dlc.pg10.9033.1	islc5#5033		t8617
rt6317a1ddm1000#0003	a-42	active	ds1p	mda6317	27	28	ckt dlc.pg10.9033.2	islc5#5033		t8617
rt6317a1ddm1000#0003	a-43	active	ds1p	mda6317	29	30	ckt dlc.pg10.9033.3	islc5#5033		t8617
rt6317a1ddm1000#0003	a-44	active	ds1p	mda6317	31	32	ckt dlc.pg10.9033.4	islc5#5033		t8617
rt6317a1ddm1000#0003	a-51	active	ds1p	mda6317	33	34	ckt dlc.pg10.9036.1	96sl5#5036		t8617
rt6317a1ddm1000#0003	a-52	active	ds1p	mda6317	35	36	ckt dlc.pg10.9036.2	96sl5#5036		t8617
rt6317a1ddm1000#0003	a-53	active	ds1p	mda6317	37	38	ckt dlc.pg10.9036.3	96sl5#5036		t8617
rt6317a1ddm1000#0003	a-54	active	ds1p	mda6317	39	40	ckt dlc.pg10.9036.4	96sl5#5036		t8617
rt6317a1ddm1000#0003	a-61	active	ds1p	mda6317	41	42	ckt dlc pg10.5037.1	islc5#5037		t8617
rt6317a1ddm1000#0003	a-62	active	ds1p	mda6317	43	44	ckt dlc.pg10.5037.2	islc5#5037		t8617
rt6317a1ddm1000#0003	a-63	active	ds1p	mda6317	45	46	ckt dlc.pg10.5037.3	islc5#5037		t8617
rt6317a1ddm1000#0003	a-64	active	ds1p	mda6317	47	48	ckt dlc.pg10.5037.4	islc5#5037		t8617
rt6317a1ddm1000#0003	a-71	active	ds1p	mda6317	49	50	38.hcgs.653270			t8617

Figure 45

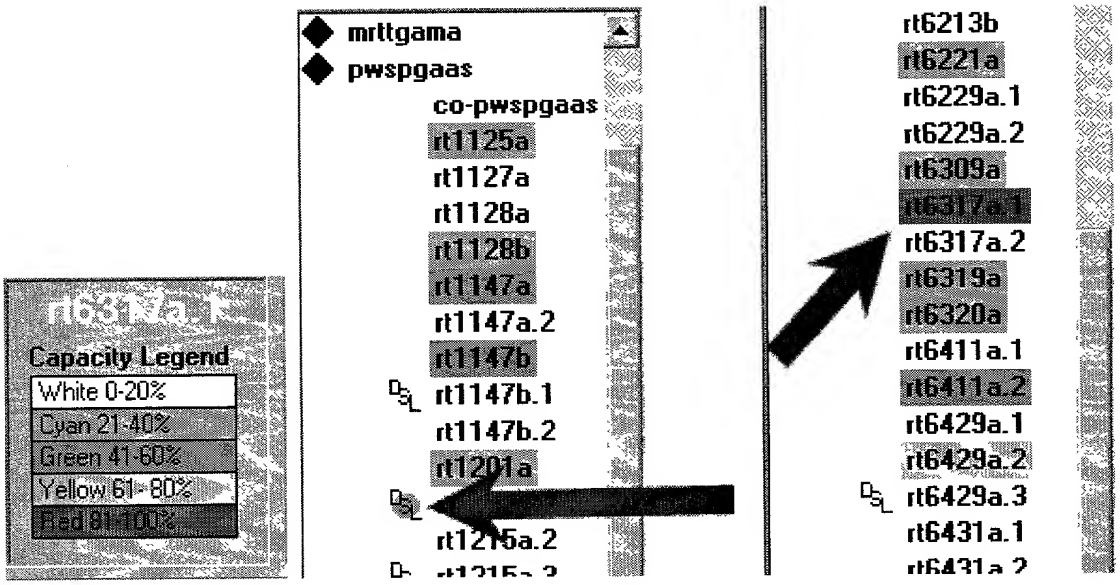
Capacity Legend
White 0-20%
Cyan 21-40%
Green 41-60%
Yellow 61-80%
Red 81-100%
mrttgama
pwspgaas
co-pwspgaas
rt1125a
rt1127a
rt1128a
rt1128b
rt1147a
rt1147a.2
rt1147b
rt1147b.1
rt1147b.2
rt1201a
rt6213b
rt6221a
rt6229a.1
rt6229a.2
rt6309a
rt6317a.1
rt6317a.2
rt6319a
rt6320a
rt6411a.1
rt6411a.2
rt6429a.1
rt6429a.2
rt6429a.3
rt6431a.1

Figure 46

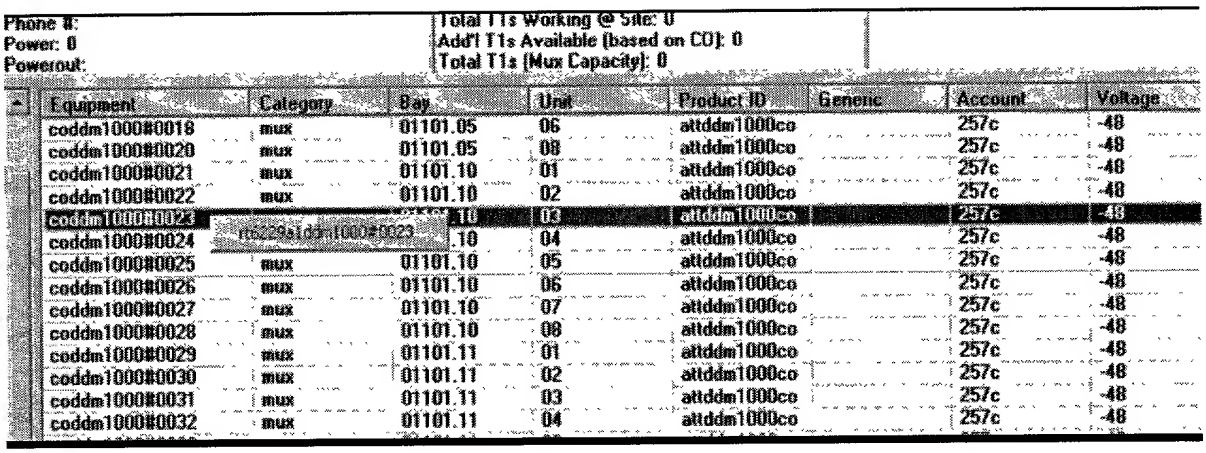

Figure 47

Document #: 1148489 v.1

Processing Flow for Tirks Processing
Conceptual Design

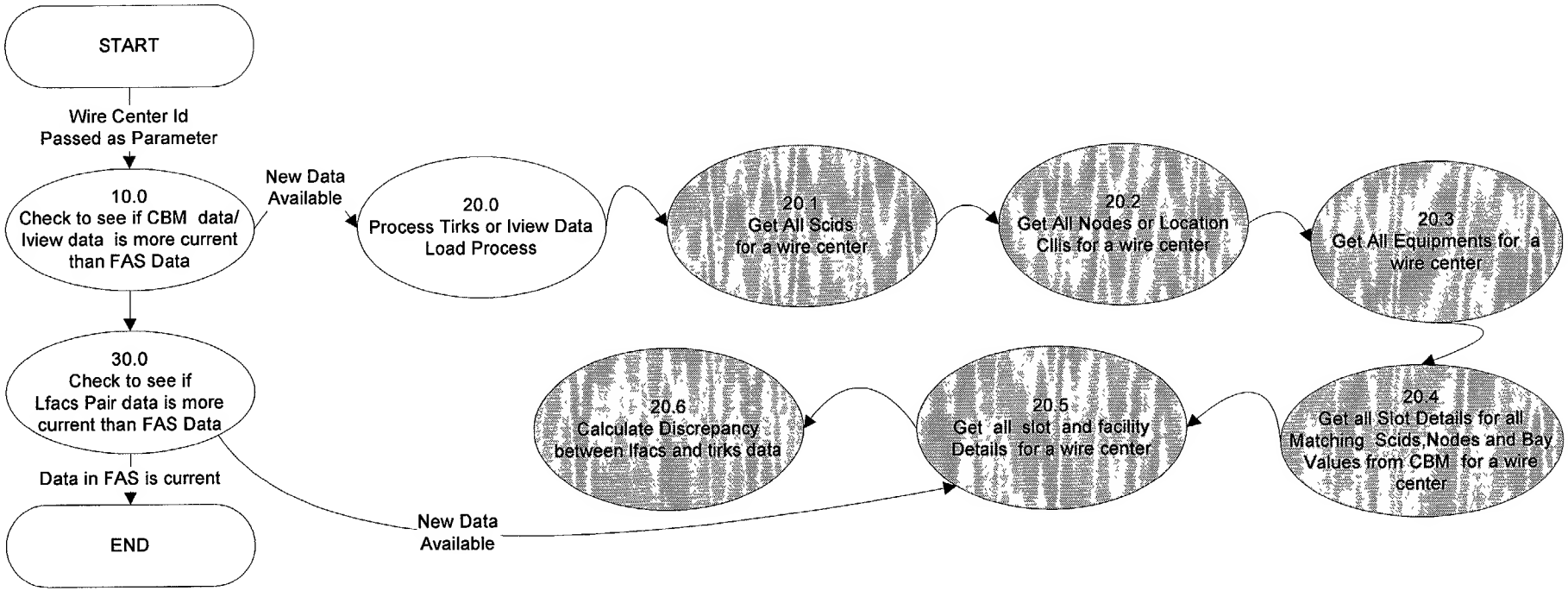

FIGURE 48